

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A device for tamponade of body cavities and for mechanical anchoring of a catheter, the device comprising:

a flexible tube segment  $[(2)]$  having an inner wall  $[(4)]$  and an outer wall  $[(6)]$  that surround an interior space  $[(8)]$  wherein said tube segment  $[(2)]$  is inflatable, and is configured without through-passing support bodies so that a displacement of tube wall material between said inner wall  $[(4)]$  and said outer wall  $[(6)]$  of said tube segment  $[(2)]$  is possible as inflation proceeds, wherein said tube segment further comprises:

a. two ends  $(7, 9)$ , which are fastened to a same closing element  $[(10)]$ , configured so that a torus geometry is striven for as said inflatable tube segment  $[(2)]$  is inflated and

b. said closing element  $[(10)]$  is a pipe nipple and said two ends  $(7, 9)$  of said tube segment  $[(2)]$  are joined together fluid-tightly.

2. (Currently amended) The device according to claim 1, wherein at least said outer wall  $[(6)]$  is thin-walled and elastically expandable.

3. (Currently amended) The device according to claim 1, wherein at least said outer wall  $[(6)]$  of the tube segment  $[(2)]$  has a wall thickness of a few microns.

4. (Currently amended) The device according to claim 1, wherein said tube segment  $[(2)]$  consists of a transparent material.

5. (Currently amended) The device according to claim 1, wherein said tube segment  $[(2)]$  consists of a polyurethane, a polyurethane/polyvinyl chloride mixture, or

a comparable polyurethane-based material or a polymer having comparable expansion and processing characteristics.

6. (Currently amended) The device according to claim 1, wherein said tube segment ~~[(2)]~~ is configured for the reversible, sealing securement of a catheter at the end of a catheter shaft ~~[(15)]~~.

7. (Currently amended) The device according to claim 1, wherein said tube segment ~~[(2)]~~ is formed by invaginating a single-walled tube section ~~[(1)]~~.

8. (Currently amended) The device according to claim 7, wherein at least one end ~~(7 or 9)~~ of said tube section ~~[(1)]~~ is attached to the catheter shaft ~~[(15)]~~.

9. (Currently amended) The device according to claim 1, wherein a channel ~~[(13)]~~ for the delivery and/or discharge of a fluid opens into the interior space ~~[(8)]~~ formed by said walls ~~(4, 6)~~ of said tube segment ~~[(2)]~~.

10. (Currently amended) The device according to claim 7, wherein said tube section or a portion thereof is preformed as a single-walled tube in the shape of a roll before being fashioned into a tube segment ~~[(2)]~~ by invagination.

11. (Currently amended) The device according to claim 10, wherein a bulge produced vertically to the plane of rotation of said tube segment ~~[(2)]~~ by the invagination is thickened by said preforming.

12. (Currently amended) The device according to claim 10, wherein said tube section ~~[(1)]~~ is preformed in such a way that a tube portion ~~[(3)]~~ that forms the inner wall of said tube segment ~~[(2)]~~ after invagination is smaller in cross section and has a greater wall thickness than a tube portion ~~[(5)]~~ forming the outer wall ~~[(6)]~~.

13. (Currently amended) The device according to claim 1, wherein said tube portion ~~[(3)]~~ is provided with a uniform wall thickness and a uniform inner diameter.

14. (Currently amended) The device according to claim 1, wherein said tube segment ~~[(2)]~~ is implemented with a residual volume.

15. (Currently amended) The device according to claim 1, wherein a channel ~~[(13)]~~ is connected via a flexible connecting tube to a valve ~~[(14)]~~ disposed outside said tube segment ~~[(2)]~~.

16. (Currently amended) The device according to claim 15, wherein said valve ~~[(14)]~~ includes a valve lip.

17. (Currently amended) The device according to claim 15, wherein said valve ~~[(14)]~~ is a circular sleeve consisting of flexible material and disposed between said tube ends ~~(7, 9)~~.

18. (Currently amended) The device according to claim 1, wherein a clamping closure ~~[(21)]~~ having a longitudinally ~~displaceable~~ displaceable sleeve ~~[(22)]~~ is slidably attached to said tube segment ~~[(2)]~~.

19. (Currently amended) The device according to claim 1, wherein a collar-shaped abutment ~~[(16)]~~ is disposed on a selected one of said pipe nipple and said catheter shaft ~~[(15)]~~ .

20. (Currently amended) The device according to claim 1, wherein a pressure sensor is contained in an interior space ~~[(20)]~~.

21. (Currently amended) The device according to claim 1, wherein a medically active substance can be introduced into the interior space ~~[(8)]~~ enclosed by said tube segment ~~[(2)]~~.

22. (Previously presented) The device according to claim 21, wherein said medically active substance has at least one of radioactive and chemotherapeutic properties.

23. (Currently amended) The device according to claim 21, wherein said tube segment [(2)] is covered in at least one subregion by a shield [(21)] and said shield suppresses or decreases the medicinal activity of the substance in the shielded subregion.

24. (Currently amended) The device according to claim 1, wherein a radiographic contrast medium can be introduced into the interior space [(8)] enclosed by said tube segment [(2)].

25. (Currently amended) The device according to claim 1, wherein affixed to a surface of said tube segment [(has)] is at least one of: substances and bodies affixed to a pair of electrodes, a carrier containing a chemotherapeutic substance, and a carrier containing a radioactive substance surface.

26. (Currently amended) The device according to claim [(25)] 1, wherein the ~~substances or bodies affixed to the surface of said tube segment (2) are contained in~~ is at least one of: a receptacle and a support ~~connected to said tube segment.~~

27. (Canceled).

28. (Canceled).